# THE PANAMA CANAL

#### SEEING THE DIRT FLY.

CULEBRA. CANAL ZONE. Jan. 34—
Actually to see the dirt fly, as one expects to see it, and appreciate the fill meaning of the phrase, one needs to come to the Calebra cut. From a spectacular viewpoint the famous cut offers more to the visitor than any other part of the canal work. Standing on the brink of Contractor's hill, which here bounds the cut on its west side at its deepest part, and facing Culebra hill on the opposite bank one realizes that he is at the real portal to the Pacific, at the gates of rock through which Pacific-faring craft must pass in proceeding from the Atlantic slope of the isthmus to the La Boca entrance to the canal.

Below and to the right and the left, in the narrowing valley that must be gnawed in the tail of the serpentine Andes before the oceans may be joined, one watches the pulse of the canal project throbbing at its full. Perhaps twenty of the fifty or more lumbering steam shovels that are clawing away remorselessly to make short shrift of the task of severing the tail of the Andes snake from its body can be seen. These alone would be well worth the price of admission to the greatest show on earth, if one were charged.

As many more woll-drilling machines are pecking holes in the trap rock, their drills rising and falling from the tops of the derricks as regularly as the breast rises and falls in placid breathing. Powder men are scurrying to and fro with oblons boxes of white plue filled whith dynamite. When you are told what the boxes contain, you begin to grow a bit petulant with the powder men for the apparent carelessness in which they bandle them. You inwardly clamor for the boxes, by some miracle, fall to "go off."

I saw one Jamaican darkey start to climb up a steep bank, carrying on his

the boxes, by some miracle, fail to "go off."

I saw one Jamaican darkey start to climb up a steep bank, carrying on his shoulder a box holding sufficient dynamile to reduce him and every one and everything in his immediate vicinage to less than a rag and a bone and a hank of hair had it "let go." It had been raining, and the bank was slippery. The darkey missed his footing, floundered a second, and then rolled to the bottom. Part of the time the darkey was on top; the rest of the time the box was. Nothing happened excepting that the darkey, so near as I could judge from where I stood, was roundly "cussed out" by his foreman. Before my heart resumed its normal gait the man had essayed another attempt at the bank with the box and scaled it successfully.

How the Dirt Really Plies.

How the Dirt Really Flies. Dirt trains are shuttling back and forth, the empty ones that are being leaded by the shovels with vast mouthfuls of earth and rock, moving slowly, and the full trains hustling off at top speed to get rid of their loads at the Taberallia.

# **Pimples** Cannot Live

When The Blood Is Purified With Stuart's Calcium Wafers.

phide better than other methods—thus giving the most rapid cures owing to the purity of the ingredients and their freedom from decay, evaporation and chemical weakness caused by many latter day modes of preparation. Stuart's Calcium Wafers are sold by every druggist. Price 50c, or send us your name and address and we will send you a trial package by mail free. Address F. A. Stuart, 175 Stuart Bldg., Marshall, Mich.

# A Coat of Paint

Will cover a multitude of defects. Your front porch or your fence or your sheds will look like new if you give them a coat of good paint. But be sure it's good. If you buy it here we'll guarantee it. Phone us your or-

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28 MAIN ST. Paints, Glass, Oils and Varnish.



Currous Compound Capsules combine the virtues of Big G, Pabst O. K., San-tal Pepsin, and sell for \$1.25 a box. Mail orders promptly attended to. Doull Drug Co., Distributors, 338 Main St., Salt Lake City.

None genuine without the trade mark —the Curious D.

closer at hand. The steam shovels were chewing away on four levels with the avidity of a famished dog gobbling a platter of meat scrapa, the lower ones on the present bottom of the cut and the others at various stages on the sides. The claimk of their serrated steel teeth and their snorts and rumblings tended intermittently upward through the waves of hot air less regularly and deeper thun the measured champing of the well drills, which are operated by compressed air.

Two or three of the shovels were at sufficiently close range to enable one to admire predigiously the almost human facility and intelligence of their movements; to marvel at the dexterity of the men controlling them. Down would drop the dipper of the shovel until its lower jaw was flat on the ground. A bite at the shattered mass of rock and earth, two or three snorts of the engine and the dipper would be full. Three more snorts and the dipper, its jaws clamped closely together, would rise to the height of the dump cars. At the exact moment, with the dipper perhaps still rising and swinging sidewise toward the cars the "stick man," who sat in a little saddle on one side of the monster's neck would twitch a rope. The jaws unclench and, before the rattle of the rock upon the wooden bettom of the car had ceased the dipper veers off to the bank for another bite. Five bites, or six, will fill a car. Eighty bites, a train.

Some of the shovel operators, seemingly in sportive mood, would occasionally try what they could do at partially loading cars on the fly as they were hauled slowly past the shovel. I never saw one of them miss setting the tons of spoil that the dipper held on the car platform with no more commotion than a child would make in slapping a fistful of sand upon a toy fort on the seashere. It put one in mind of a drove of gigantic hogs to see the shovels nosing and rooting away to get their teeth under rocks, which by their size or shape profecred resistance to easy lifting.

Bissting and Shoveling.

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Before the steam shovels can commence to scoop and bits away at the bank of earth and rock must be riven and rent by blasting. If it is merely earth, the shovels chew away on it without any more preparation than a hundy rat would require to assault a cheese. In the main, the preliminary blasting prepares the meals of the shovels satisfactorily, so far as the size of the fragments are concerned. Now and then there will be left a rock too hig for the shovel to manage. "Doby" blasting is them resorted to. That is, blasts are inserted in the top of the rock covered with mud and touched off. The steam shovely must stand and take it. There is no time for them to be pulled out of the way. Experience has taught that it is cheaper to risk the lajury to the shovel—and not infrequently they will be battery of field artillery had been trained on them—than it is to remove them out of the way of flying fragments. This is one indication of how closely Colonel Goethals and his engineers figure on cost. A steam shovel represents an investment of too considerable a sum to warrant it being idle an unnecessary minute.

After watching the picture revealed in the glare of the tropical sun at one's feet at the base of Culebra hill one feels satisfied that he has seen what he came for. It realizes that he has seen the dirt flying. And what is going on here is in progress for the full nine miles of the rock excavation that is in progress on either side of Culebra hill from Ras Obispo toward the Atlantic to Pedro Miguel on the Pacific slope.

Cut Not the Pacemaker.

#### Cut Not the Pacemaker.

When The Blood Is Purified With Stuart's Calcium Wafers.

Trial Package Sent Free.

Pimples, blotches, eruptions, etc., simply disappear like magic when you shut off the supply of impurities which cause them.

Stuart's Calcium Wafers go into the blood through the same channel as food. They stimulate and nourish it. They destroy foreign and unnatural bodies found there and remove all impurities very quickly.

In many cases pimples and eruptions disappear from the skin in five days.

These little wafers are so strong that immediately after they go into the blood their beneficial effects make themselves known. The blood is cleansed rapidly and thoroughly, the impure is separated from the pure blood and the waste marter and poisons are carried from the system.

The person who suffers the humilia then of pimples, blotches and eruptions should know and feel that the blood is in bad condition and delay is quite dam gerous, and is liable to affect many organs seriously.

Purify your blood and you give nature the means to successfully fight all manner of disease. Calcium Sulphide is one of the ingredients from which Stuart's Calcium Wafers are made, and it is the strongest and most powerful blood invigorator known to science. This wonderful purifier is endorsed by the cutter of the blood and skin.

Stuart's Calcium Wafers peculiarly preserve the strength of Calcium Sulphide better than other methods—thus giving the most rapid cures owing to the blood and skin.

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Stuart's Calcium Sarpid cures owing to the purity of the impredients and their control of the strongest and most powerful blood and skin.

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### Could Make More Speed.

men that will be available.

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Che learns, considerably to his surprise, if he is not sufficiently versed in engineering to take in the proposition without having it pointed out to him, that the canal is not being built as rapidly as it could be. It is being constructed as fast as economical engineering principles allow. Should exigencles arise, such as a war or some equally important consideration, that would render it necessary for the national well-being to put on more steam, the Isthmost could be ditched long before 1915. But the extra cost would be enormous, and at the present time it is impossible to foresee a contingency or a combination of circumstances which would make greater speed either necessary or desirable.

Taking its highest and widest dimensions, the canal from Bas Obispo to Pedro Miguel, through the Culebra cut, will range from 210 feet, which is the highest elevation at which the French began to dig, while across it is, at its highest, 430 feet from bank to bank, and at the bottom from 300 feet in the narrowest portion of the cut to 500 feet wide.

In the beginning there were 30,698,248 cubic yards of material to be excavated. From 1881 to 1904, when we started, the French took out 22,600,000 cubic yards. This represented the easiest part of the work, as it included the earth which is a depth not exceeding fifty-five feet. Up to June 1 last we had excavated is. 455,426 cubic yards and of the 39,852,822 cubic yards a month, according to Maj. Gaillard's estimate for December.

What these figures mean in their totally strikes one with impressive force as he rides on a dirt wagon through the nine niles of the Culebra cut. The total will be increased somewhat by the recent order issued by the president, upon the recommendation of Colonal Goethals, to increase the width of the cut at its narrowest from 200 to 300 feet.

In the cut are about forty miles of temporary railroad track. It was laid for the cus of dirt trains. Digging is no less a problem than the easy and economica

Improving the Railroads.

One thing for which the present build-ers of the canal dully bless the former chief engineers. Wallace and Stevens, was that they brought their practical knowledge as railroad men to bear upon the transportation problem. They tackled the Panama railway, which orig-

inally was woefully deficient in capacity and equipment, and set it upon the way to attain a high plane of efficiency. Big American engines by the dozen were purchased, the read was double-tracked and block signals installed. Colonel Goethals has continued the improvement of the railway service until it is now one of his big mainstays. The railway's chief excuse for existence is to serve the lathman canal commission. In the daytime, aside from passenger service, the read is monopolized by canal work. Almost a continuous line of dirt trains, leaded and empty, fill its tracks between Culebra cut and elsewhere where excavation is in progress and the dumping grounds. The tracks are kept hot by freight trains at night, when the road is once more utilized for its original purpose, to transport freight translaped from Colon to Panama and vice versa.

includes all of the tracks laid to tap the Cilebra cut and other section of the canal, and which run to the dumps, are independently of the Panama railway. The L. C. has plenty of cracker-jack railway. The L. C. has plenty of cracker-jack railway in the dumps, where an incompetent yard the dumps, are interested in the dumps, where an incompetent yard the dumps, the diff is tumbled off the labor-saying devices that are taken twenty-ton Lidgerwood, or any many self-dumping cars. Arrived at the dump, the diff is tumbled off the Labor-saying devices that are dump, the diff is tumbled off the dump, the diff is the dump the diff is the diff is the dump the diff is the dump the diff is the dump the dump the diff is the dump the dump the diff is the dump the

### Bargains at the notion counter

THE PYTHON HAIR ROLLS-Soft, fluffy and lightthe most durable and perfect hair roll in vogue. The roll best to use in dressing the hair in the new style. Sold in any desired lengths, all colors, the yard .....

Se English cotton twill tape, | yard spools-3 for 10c.

15c and 25c finishing braids, fine and dainty patterns-9c. | supporters, special-21c.

Children's Hickord hose supporters, wide heavy clastic— 35c Ludies' Princess



# Tailored suit models for Spring emphasize the new hipless and empire styles

This season's suit showing more than ever marks our leadership as authoritative style exponents. Correctness characterizes each individual model-styles, material and workmanship possess that typical air of exclusiveness which blends with the wearer's personality and sets her apart as fashionably dressed.

# Spring's tailored hipless suits—\$35.00

At \$35.00 we feature one of the season's latest tailored modes. Designed with the long 36 in. coat in the Empire and elite hipless styles-gored skirts, plain tailored or trimmed with folds. The colors are the new shades of pearl gray, receeda, taupe, navy, old rose, copenhagen, shepard plaids and elegant black. The fabries are serges, panamas and satin striped cloths.

## Tailored styles at \$25.00 and \$27.50

At these popular prices we are showing many new models in tailored suits-garments of the same style and character as the more expensive-though not so fetchingly trimmed.

### Linen tailored waists—\$4.50

The new linen models in strictly tailored waists are quite modish-mannish styles. Some with plain tucked fronts, others are handsomely embroidered-all the scason's latest waist creations for Spring wear. Display and sale Monday-\$4.50.

# Net waists—Spring models—\$7.50

At \$7.50 we show two charming and effective new models in net waists. One is a plain tucked mode finished with messaline collar and trimmings-the other is exquisitely tucked and trimmed with delicate shades of Persian braids and buttons. Long sleeve, high collar styles—open front or back—Display and sale Monday—

# Floral department open Sund

At our Main street entrance our patrons will be to purchase flowers Sunday-carnations, Amer Beauties, violets, etc.

## John Cross oxfords-\$3.50

Quality is the true test of cheapness, no matter what price you pay. That's why John Cross has made famous his \$3.50 shoe. He has built into it a quality that in other makes would cost you \$4.00 or more. The best materials, the best workmanship the up-to-the-minute styles, all substantiate the public's approval. The kind that you will buy again.

We feature the season's new and smart styles in tan and black Russias, vici kid, patent colt, patent kid, etc., and the new shades for spring, the pair ......



# Perrin's gauntlets—\$3.50

Gauntlets-the fashionable gloves for spring. P. rin's extra quality cape, suitable for driving, au ing and street wear, in tan, the pair ......\$3.50

#### Of interest to the traveler Traveling cases, jewel cases, tourist bas etc .--- 1-4 off.

Tourist's rubber-lined cloth-covered traveling cases with 

#### Jewel and money cases

Women's jewel and money cases of soft leather and chamois; clasp pockets; colors are gray and brown; a safe and convenient method of carrying jewels and money; \$1.00 1/4 off

Men's tourist belts of linen and leather, for carrying money, valuable papers, etc... \$1.25 to \$1.75 1/4 0# Persian silk jewel case pock-ets lined with chamois;

# Toilet accessory

20c tourist tooth brush e

Tourist soap cases, roll lined, 35c, 50c and 65c values—50c and 65c val equipped with 1/4 0

## Tourist bags

Tourist bags, rubber lined, a variety of patterns to lect from—draw sir styles, 35c to 1/4 0

# Silks and dress goods—Spring tabrics

Beautiful domestic and imported fabrics in the delicate pastel shades, ventional patterns and striking novelties for spring wear. Weaves that conventional patterns and striking novelties for spring wear. Weaves that readily lend to the vogue of leng lines and graceful drapes of the season's fashions. You'll find the right color in the right fabric at the desired price—here. Leaders in fabrics of the better kinds.

# Wash goods—Monday bargains

Bargains that will dominate the department Monday. Wash goods economies that no thrifty, economical shopper can afford to miss.

15c spring percales in light and dark grounds, 56 inches wide, standard 

\$2.00 longeloth, 36 inches wide, 12-yard bolts. The bolt ...... \$1.65

white poplin, 27-inch. Special 

\$2.75 white nainsook, 36-inch, 10-yard bolts. The \$2.00

Hipless is the vogue for spring—combination undermuslins are best suited for this vogue. We feature them in lingeric styles, both practical and dainty; garments exclusively feminine. The materials are fine quality nainsook and cambric, the trimmings both embroidery and laces; the aeme of lingeric fashion, perfect in fit, fabric and finish. The garment—

\$1.50 to \$7.50

Lingerie – separate garments.

Drawers of fine pain-

sook in the snug hip-fitting

styles; some trimmed with

dainty hand embroidery,

others elaborate with lace insertion and flounces. The

75c and 85c

\$1.25 John S. Brown & Sons' table linen, linen of superior quality, about 800 yards in the lot. \$1.00

Combination

undermuslins

Corset cover and drawers -corset cover and skirt.

Gowns of nainsook, cir-

cular and V yokes; dainty

embroidered styles and

claborately lace and inser-

tion trimmed. We feature

\$1.50 to \$5.00

them, the garment-

### Waist trimmings 1-3 less. For your Spring sewing-

We feature Monday one entire line of beautiful lace medallion waist trimmings— white only—in Irish crochet and batiste patterns—Values from 25c to \$2.00—

1-3 off. Tub braids

The new tub braids for Spring are more varied and beautiful than ever-Dainty dot and figured patterns in the season's wanted colors—
15 to 2 inches wide—for ladies' and children's tub suits and dresses—the yard—

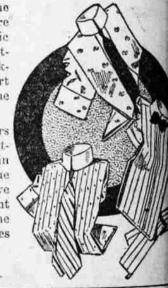
10c, 15c, 35c

## Negligee shirts for Spring New colors---new patterns---nobby styles

There's no question about the style of shirts we sell-they are up to the minute in fit, fabric and finish. Our new spring patterns in dressy negligees are striking examples of the best in shirt making-they are the aeme of the season's fashions.

A model that smart dressers like is the new coat shirt with attached cuffs and plaited fronts, in the new shades of tan, green, blue and helio. For more conservative tastes we show plain soft-front styles in conventional shades. The newest styles and patterns, all sizes -\$1.25 to \$3.50.

"Men's corner."



#### Silk petticoats—colors and styles in vogue for Spring-\$7.50 At \$7.50 we feature a very exceptional value-rich, luxurious,

# February Clearance Leather goods

\$6.00 to \$23.00 alligator bags of fine quality pearl and horn alligator skins, made in a variety of styles, including the popular sheath and fashionable claw bag; leather lined throughout ...... 1/3 off

\$3.50 to \$6.00 hand purses, made of suede, alligator, pigskin, grained leathers, seal, walrus, etc.; in greens, red, tans, brown, taupe, blue and gray. February

\$1.79 grained leather hand bags, in black, gun metal trimmings, with coin purse; lined throughout. \$1.49

# Harvard Mill underwear

For women and children.

Our spring shipments of this w known knit underwear have placed in stock—a full and completelline, showing all the new styles an wanted weights and qualities spring and summer wear.

Women's suits in cotton and l regular and out sizes; high long sleeves, ankle length; neck, long sleeves, knee let neck, short sleaves, length; low neck, short sleeves, length; low neck, sleeveless, length; also umbrella styles.

Vests in long and short slers styles, high and low neck; regular and out sizes.

Tights, umbrella and tight l

Children's union suits, vests pants, in all styles for spring summer.